

## CLAIMS

What is claimed is:

- 5 1. A system for transmitting voice and data signals over a network circuit comprising:  
a customer premises extension device for receiving and transmitting voice and data  
signals; wherein said signals are fragmented in accordance with an associated transmission rate;  
at least one subscriber loop operatively connected to said customer premises extension  
device; and  
10 a digital subscriber loop access component for receiving said voice and data signals and  
operatively connected to said subscriber loop.

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